

Summer School
Hamburg-Copenhagen Urban Challenge 2017
Sustainable Urbanisation addressing Global Challenges

Language	English
Exam ECTS	5 CP/7.5**
Type	Elective
Level	Full Degree Master
Core course period	August 2018
Exam	Summer-semester 2018
Max. participants	16 HCU Students 15 DTU Students 15 CBS Students

Course coordinators/teachers

Dr. Luise Noring, Assistant Professor, Department of Intercultural Communication and Management, CBS

Malene Køster Lasthein, Department of Intercultural Communication and Management, CBS

Prof. Carsten Rode, Department of Civil Engineering, Building, DTU

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Olga Izdebska, Department of Urban Planning and Regional Development, HCU

Main academic disciplines

Sustainable urbanisation
Complexity, localisation and globalisation
Climate mitigation and adaptation in cities
Business and political ethics
Urban planning, design and governance
Non-profit organisations
Business innovation and entrepreneurship

*** The course is offered as an elective at HCU for 5CP. The course is offered at CBS for 7.5 CP with an additional assignment. DTU students can participate in the course for 5CP and are not eligible for the travel grant.*

** All students are eligible for a traveling grant of 275 euro*

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The Hamburg-Copenhagen Urban Challenge is offered simultaneously by Copenhagen Business School, Technical University of Denmark, and HafenCity University in Hamburg. Students from all three universities are taught together spending one-and-a-half week in Copenhagen and one-and-a-half week in Hamburg. We offer student grants of 275 EURO to all students attending the course. Course contents are innovative, practice-oriented and trans-disciplinary. Student performance will be assessed according to learning objective specific to their home institutions. The core assignment during the three weeks will be an interdisciplinary group work and a paper based on the group results.

Course Context

The vision of the Hamburg-Copenhagen Urban Challenge is to create a trans-disciplinary, cross-institutional, and cross-cultural learning experience for students, researchers, and practitioners that build capacity to identify and solve complex urban issues sustainably and collaboratively across sectors.

Cities are considered to be the melting pots of modern society - the proximity and density of people and organisations tend to foster innovation, creativity, and entrepreneurship. One of the biggest challenges in the 21st century is to plan urbanised areas and to design public policies in such a manner that they facilitate thriving businesses, organisations and people, while addressing global environmental and social challenges. At the same time numerous companies cater to the growing demands of urban citizens and local city governments in everything from fast moving consumer goods to housing, infrastructure and energy. The challenge is to balance the many public and private expectations on urban space, - without losing sight of urban sustainability. Thus, the Hamburg-Copenhagen Urban Challenge takes a citywide and regional development perspective on public, private, and nonprofit sector actions that shape solutions to the most pressing issues of today's societies.

Course Description

In 2018, the Hamburg-Copenhagen Urban Challenge will focus on the future shifts coming to urban areas and the impacts these may have on overall sustainability. The course will introduce students to nature-based solutions and asks participants to consider their implementation in the existing urban fabric.

Digitalization, communication and new trends in work and private life are driving changes to the traditional urban fabric. Over the past decades, we have seen many transitions in urban life: from telephone booths to public WiFi, from newspaper stands to social media, from private car to Uber and car-sharing, from cubicles to co-working, etc. As new and forward-looking developments, HafenCity and Nordhavn both recognize the need to continue to adapt to the shifting needs of their community and to prepare for new roles and forms of urban spaces. At the same time, quality of life and sustainability should not be sacrificed, but, rather, improved. Nature-based solutions offer possibilities for innovative and environmentally-sound interventions for businesses, citizens and cities.

Students will conduct a comparative analysis of HafenCity in Hamburg and Nordhavn in Copenhagen contextualizing both districts within the larger development patterns of the metro-regions of Hamburg and Copenhagen. A focus will be on finding a sustainable balance of regional, citywide and district needs regarding specific urban challenges. Assessing the role of the districts within the larger context will enable students to identify drivers within private, public, and non-profit activities that could enhance the districts and cities ability to address these challenges in a sustainable manner.

Based on the learnings from HafenCity and Nordhavn as well as syllabus material provided during the course and individual research, data and literature, student teams will prepare and present a project

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proposal that explores the potential of nature-based solutions to help resolve the challenges of the future city. High quality proposals are expected to demonstrate understanding of:

- Sustainability and urban sustainable development in a local as well as global context
- Future shifts in urban forms, uses, and habits, as driven by technological, societal and environmental changes
- Business and economic fundamentals of the project, such as funding, management and implementation

*The partner company **Rambøll** will share insights and experience as a leading engineering and design consultancy.*

Learning goals

The Hamburg-Copenhagen Urban Challenge intends to achieve the following:

- Build a lasting collaboration between students and faculty of Technical University of Denmark, Copenhagen Business School and HafenCity University in Hamburg;
- Develop a foundational unit for trans-disciplinary and cross-country and -city approaches to research, teaching and learning within urban sustainability;
- Stimulate innovation and entrepreneurship skills of higher education researchers, teachers, graduate students and practitioners within urban sustainability;
- Facilitate the exchange, flow and co-creation of knowledge within urban sustainability through mobility and cross-city cooperation between Copenhagen and Hamburg.
- To establish a dialogue and close collaboration with key business stakeholders and thereby strengthen the relationship between universities, cities and local businesses.
- Foster meaningful collaborations between economists, engineers, political scientists, social scientists, life scientists, urban planners, policymakers, developers amongst others/and many others.

Course Structure

The Hamburg-Copenhagen Urban Challenge includes one-and-a-half weeks of exchange in Hamburg followed by one-and-a-half weeks in Copenhagen. Students will work together in mixed study-groups across culture and disciplinary backgrounds. The stays in Copenhagen and Hamburg are structured through lectures, site and company visits, group and field work, and project presentation. Students will be grouped into cross-institutional teams so as to identify and analyze complex urban challenges – teams may choose to focus on a self-selected urban sustainability challenge. During the group work, students will assess and compare the sustainability of both case studies (Nordhavnen and HafenCity) with regards to the specific urban challenge. Based on their analysis, students will also identify public, private and/ or non-profit approaches to address the challenge bringing together their unique experiences in different academic disciplines.

Participants are expected to take part in all planned activities, and help make the Hamburg-Copenhagen Urban Challenge a great experience for everyone, - both academically and culturally.

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Examination

Student performance will be assessed according to learning objective specific to their home institutions. The core assignment during the three weeks will be the interdisciplinary group work. Groups will be mixed from all universities. The groups will present twice: On the last day in Hamburg and in Copenhagen. HCU and DTU only offer the course as a 5CP class, therefore, the student presentations will be graded. Students from CBS that take the course for 7.5 CP will have to submit an additional exam as specific to the requirements of their home institution.

			CBS	HCU	DTU
7.5 CP	5 CP	Group Assignment	Not graded	Graded presentations	Graded presentations
		Essay		Graded	Graded
	2.5 CP	Individual Exam	Graded	n/a	n/a

Teaching Methods

The Hamburg-Copenhagen Urban Challenge programme is a total of three weeks, with two weeks in each partner city. Up to 15 students from each university (45 in total) will work together throughout the programme in mixed study groups across cultural and disciplinary backgrounds. The stays in Hamburg and Copenhagen are structured through lectures, seminars, site visits, individual study time, group work, and project presentations.

Participants are expected to take part in all planned activities, and help make the summer school a great experience for everyone, both academically and culturally.

Student workload

Lectures	40 hours
Site visits	25 hours
Group Work	60 hours
Preparation	25 hours
[Individual Exam (CBS)]	60 hours]

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Application and Organization

The core seminar will take place during August 2018 in Copenhagen and Hamburg. The dates are:

Hamburg: August 6th – August 14th
Travel Day: August 15th
Copenhagen: August 16th – August 24th

The Urban Challenge is supported by the Erasmus+ Programme of the European Union. Participants are responsible for their own travel arrangements. However, we do provide a student travelling grant of 275 EURO per student. [HCU Specific part for application: The course is open to all master students at HCU, including Urban Planning, Urban Design and REAP. HCU Students can attend the summer school as an elective for 5CP.

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Suggestions for readings

Bridges, W. (1986), Managing Spatial Transition. *Organizational Dynamics* 15(1), 24-33.

Bryson, John M. (Ed.) (2011), Strategic planning for public and nonprofit organizations. A guide to strengthening and sustaining organizational achievement. 4th Edition. San Francisco: Jossey-Bass.

Bulkeley, H., Betsill, M. (2005), Rethinking sustainable cities: Multi-level governance and the 'urban' politics of climate change. *Environmental Politics* 14, 42-63.

Bulkeley, H., Betsill, M.M. (2003), *Cities and Climate Change: Urban Sustainability and Global Environmental Governance*. Routledge, London.

Bulkeley, H., Castan Broto, V. (2012), Government by experiment? Global cities and the governing of climate change. *Transactions of the Institute of British Geographers*.

Burch, S., Shaw, A., Dale, A., Robinson, J. (Forthcoming) Triggering transformative change: A development path approach to climate change response in communities. *Climate Policy*.

Frantzeskaki, N., Loorbach, D., Meadowcroft, J. (2012), Governing transitions to sustainability: transition management as a governance approach towards pursuing sustainability. *International Journal of Sustainable Development* 15, 19-36.

Fröhlich, J., Knieling, J. (2013), Conceptualizing Climate Change Governance. In: J.

Hill, Michael J.; Hupe, Peter L. (2009), *Implementing public policy. An introduction to the study of operational governance*. 2nd ed. Los Angeles [Calif.], London: SAGE. Knieling & W. Leal Filho (Eds.), *Climate Change Governance: Series Climate*

Change Management (pp. 14-31). Heidelberg: Springer.

IPCC - The Intergovernmental Panel on Climate Change. (2014). Fifth Assessment

Report. *Climate Change 2014: Mitigation of Climate Change*. Retrieved on March 15, 2015 from <http://www.ipcc.ch/report/ar5/wg3/>

Nevens, F., Frantzeskaki, N., Gorissen, L., Loorbach, D. (2012), Urban Transition Labs: co-creating transformative action for sustainable cities. *Journal of Cleaner Production*.

Rode, Carsten (2012), Global Building Physics, *Journal of Building Physics*, 36(4), pp. 337–352

Wejs, A. (2014), Integrating climate change into governance at the municipal scale: an institutional perspective on practices in Denmark. In *Environ. Plann. C* 32 (6), pp. 1017–1035. DOI: 10.1068/c1215.

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